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000047390 7590 10/04/2006

THOMAS, KAYDEN, HOSTEMEYER & RISLEY LLP
 100 GALLERIA PARKWAY
 SUITE 1750
 ATLANTA, GA 30339

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Hui Chin Barnhill	(Depositor's name)
<i>Hui Chin Barnhill</i>	(Signature)
December 18, 2006	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/672,778

09/26/2003

Chih-Ta Wu

252016-3000

9717

TITLE OF INVENTION: ATOMIC LAYER DEPOSITION (ALD) METHOD WITH ENHANCED DEPOSITION RATE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional

NO

\$1400

\$300

\$0

\$1700

01/04/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
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SMITH, BRADLEY

2891

438-680000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

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2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Thomas, Kayden,

Horstemeyer & Risley

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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

TAIWAN SEMICONDUCTOR
 MANUFACTURING CO., LTD.

(B) RESIDENCE (CITY AND STATE OR COUNTRY)

HSINCHU, TAIWAN, R.O.C.

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

☒ Issue Fee☐ Publication Fee (No small entity discount permitted)☐ Advance Order - # of Copies

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☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature

Daniel R. McClure

Date

Dec 18, 2006

Typed or printed name

Daniel R. McClure

Registration No.

38,962

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